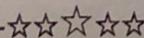Note : Four choices A , B , C , D to each question are given. Which choice is correct, fill that circle in front of that Question Number on the Objective Bubble Sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.No.1 Every webpage on the World Wide Web is accessed using :

(1) (A) IP Address (B) Domain Name (C) Hyperlink (D) URL

(2) The number of arguments in SQRT ( ) function in MS Excel are : (A) 1 (B) 2 (C) 3 (D) 4

(3) For the Custom Format # , ### , the number 1500 will be displayed as :

(A) 1,500 (B) 1500 (C) 0,015 (D) 0015

(4) For adding text in the top margin of every page in MS-Word we use :

(A) Header (B) Footer (C) Heading (D) Title

(5) Add New Hardware option exists in :

(A) My Computer (B) Window Explorer (C) Control Panel (D) Start Button

(6) Illegal copy of a Software is called :

(A) Software Piracy (B) Pirated Software (C) Virus (D) Antivirus

(7) The register used for Division and Multiplication is : (A) PC (B) MBR (C) DX (D) DS

(8) The ROM is also called :

(A) Direct Access Memory   (B) Read / Write Memory

(C) Non-Volatile Memory   (D) Main Memory

(9) Product promotion , place and price relates to :

(A) Marketing (B) Management (C) Office Automation (D) E - Commerce

(10) The 7-bit-ASCII Code can represent :

(A) 64 Characters (B) 128 Characters (C) 256 Characters (D) 65,536 Characters

(11) Concurrent Flow of bits is done in :

(A) Serial Transmission   (B) Parallel Transmission

(C) Synchronous Transmission   (D) Asynchronous Transmission

(12) The Protocol used by every Computer on the internet is :

(A) CSMA / CD (B) DSL (C) ISDN (D) TCP / IP

(13) A Computer is connected to a LAN using : (A) NIC (B) Modem (C) Bridge (D) Router

(14) Image displayed on a Monitor Screen is composed of :

(A) Pixels (B) DPI (C) Resolution (D) Digital Points

(15) Software that is designed to be used by general public for their business tasks is called :

(A) Operating System   (B) Device Driver   (C) Utility Programs   (D) Packaged Software

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Note : It is compulsory to answer any (6 - 6) parts each from Q.No.2 , Q.No.3 and Q.No.4 while attempt any (03) Questions from Part II. Write same Question Number and its Part Number as given in the Question Paper.

Make Diagram where necessary.

Part - I
18 x 2 = 36

Q.No.2 (i) Enlist any two differences between Mouse and Trackball.

(ii) Convert 128 Bytes of memory into Bits.

(iii) How would you elaborate Workgroup Computing?

(iv) What is FTP?

(v) Write down the use of Network-Interface-Card.

(vi) How do devices communicate in bus Topology?

(vii) State the functions of Network Layer.

(viii) How would you define Baseband?

(ix) What is an External Modem?

Q.No.3 (i) Why RAM is called Volatile Memory?

(ii) How does Cache Memory works ?

(iii) Differentiate between CX and DX Register.

(iv) How does Fetch-Decode-Execute cycle of CPU work?

(v) Give four Biometric methods to prove your identity to log on a system.

(vi) What is Boot Sector Virus?

(vii) What do you mean by Security Violations?

(viii) What is meant by IP Addressing?

(ix) Write name of four Search Engine.

Q.No.4 (i) Define Page Margin and Page Size in Word Processor.

(ii) What is Formatting in MS-Word?

(iii) Define Word Art in MS-Word.

(iv) Why " Thesaurus " are used in Word Processing?

(v) What do you mean by 3D- Worksheet?

(vi) What is Absolute reference in a Worksheet?

(vii) What is the most powerful feature of Spread Sheet?

(viii) What is the purpose of Formula Bar in MS-Excel?

(ix) Write a function to find Square Root of the number in the Cell A10.
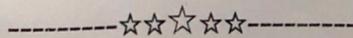
Part - II
3 x 8 = 24

Q.No.5 What is Software? Describe different categories / types of Software. (8)

Q.No.6 What is meant by Encoding Scheme? Explain different types of Encoding Schemes (8)

Q.No.7 Explain four services of E - Commerce. (8)

Q.No.8 What is ROM? Discuss its different types in detail. (8)

Q.No.9 What is meant by an Event ? Explain different types of Mouse and Keyboard Events. (8)

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10 - 05 - 2024

Note : Four possible choices A , B , C , D to each question are given. Which choice is correct , fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.No. 1

(1) A Collection of Related Web Pages is called :
(A) Web Link (B) Website (C) Internet (D) Link

(2) The intersection of a Row and a Column is called :
(A) Field (B) Intersection (C) Address (D) Cell

(3) Which of the following is not a type of Page Margin :
(A) Left (B) Right (C) Center (D) Top

(4) Which of the following is NOT a Graphical User Interface :
(A) DOS (B) Linux (C) Windows (D) MacOS

(5) Format C is an example of :
(A) Chernobal (B) Trojan Horse (C) Boot Sector (D) Logic Bomb

(6) Which bus allows the processor to communicate with peripheral devices :
(A) System Bus (B) Memory Bus (C) Processor Bus (D) Expansion Bus

(7) CPU places address of Memory location is to be read, in :
(A) MBR (B) IR (C) MAR (D) PC

(8) The step that obtains the next instruction from Memory is called :
(A) Fetch (B) Read (C) Get (D) Obtain

(9) Which Scanner takes X - rays around the body :
(A) MICR (B) OMR (C) CAT (D) OCR

(10) Transmission from a Satellite to its Earth Based Station is called :
(A) Geo Link (B) Base Link (C) Up Link (D) Down Link

(11) How many characters ASCII 7 - Bit Code can represent :
(A) 64 (B) 128 (C) 256 (D) 512

(12) OSI Model has : (A) 3 Layers (B) 5 Layers (C) 7 Layers (D) 8 Layers

(13) Dejure means : (A) By Law (B) By Fact (C) By Default (D) By Nature

(14) Testing of a Program Component is called :
(A) Pilot Testing (B) Unit Testing (C) System Testing (D) Isolation Testing

(15) Which of the following Keys is used to cancel an Operation :
(A) Pause (B) Del (C) Enter (D) Esc

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Note : It is compulsory to answer any (6 - 6) parts each from Q.No.2 , Q.No.3 and Q.No.4 while attempt any (03) Questions from Part II. Write same Question Number and its Part Number as given in the Question Paper.

| Make Diagram where necessary. | Part - I | 18 x 2 = 36 |

Q.No.2 (i) What do you mean by Qwerty ?

(ii) How does the Flatbed Plotter work ?

(iii) Convert 256 TB of Memory into words.

(iv) Write the name of any four Data Gathering Techniques.

(v) What is the use of Computer Aided Design ?

(vi) How Computer can be useful in Weather Forecasting?

(vii) What is Electronic Shopping?

(viii) What do you mean by named Ranges?

(ix) Write formula to add the values in the Cells A1 , B1 and C1.

Q.No.3 (i) What is the purpose of Session Layer ?

(ii) Describe De - jure Standards.

(iii) What is FTP ?

(iv) Write two characteristics of Analog Signal.

(v) How data transmitted in Synchronous Transmission?

(vi) What is Baseband?

(vii) Define Internet.

(viii) Write a short note on ISP.

(ix) Which Protocol is used between Web Browser and Web Server ?

Q.No.4 (i) What is Interrupt ?

(ii) Elaborate the purpose of I/O Instructions.

(iii) How the Virus is Activated ?

(iv) Why Pirated Software is a threat to the safety of Computer?

(v) Which type of damage is caused by Chernobal Virus?

(vi) Describe the purpose of Recycle Bin.

(vii) What do you mean by Plug and Play ?

(viii) List two advantages of Word Processor.

(ix) Distinguish between Cut and Copy Command.

| Part - II | 3 x 8 = 24 |

Q.No.5 What is Video Display Adapter ? Discuss its different types. (8)

Q.No.6 Write down eight differences between LAN and WAN. (8)

Q.No.7 Explain Twisted Pair , Co - axial Cable and Fiber Optic Cable. (8)

Q.No.8 What is RAM ? Describe different types of RAM. (8)

Q.No.9 Explain Fetch - Decode - Execute Cycle of CPU. (8)

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Note : It is compulsory to answer any (6 - 6) parts each from Q.No.2 , Q.No.3 and Q.No.4 while attempt any (03) Questions from Part II. Write same Question Number and Its Part Number as given in the Question Paper.

Make Diagram where necessary.   Part - I   BWP-22   18x2 = 36

Q.No.2
(i) How would you define Flatbed Plotter ?

(ii) What do you mean by QWERTY ?

(iii) What is the use of Input Devices ?

(iv) Why Interviews are conducted in SDLC ?

(v) How would you compare Dialup and ISDN Lines ?

(vi) Describe the function of Session Layer.

(vii) Why Star Topology is the best LAN Topology ?

(viii) Distinguish between Cut and Copy Command.

(ix) Define Header and Footer in MS - Word.

Q.No.3
(i) What is Bandwidth ?

(ii) How does FDM works ?

(iii) Define Wireless Modem.

(iv) Describe the purpose of Control Unit (CU).

(v) What is PROM ?

(vi) Elaborate the concept of CPU Registers .

(vii) Differentiate between CX and DX Registers.

(viii) Define Labels in Spreadsheet.

(ix) Differentiate between Active and Passive Cell.

Q.No.4
(i) What is Video Conferencing ?

(ii) Define the term " Online Banking ".

(iii) How does Computer is useful in Medical Field ?

(iv) What is meant by Computer Virus ?

(v) What is Biometrics ?

(vi) Describe the function of Desktop.

(vii) What is Clipboard ?

(viii) Differentiate between Uploading and Downloading.

(ix) What is Web Hosting ?

Part - II   3 x 8 = 24

Q.No.5 What is Non - Impact Printer ? Explain Dot Matrix and Daisy Wheel Printer.   2 + 3 + 3 = (8)

Q.No.6 Why LAN's Protocols are necessary ? Explain Token Ring and TCP / IP in detail.   2 + 3 + 3 = (8)

Q.No.7 Define Guided Media. Briefly describe any two Guided Media.   2 + 3 + 3 = (8)

Q.No.8 Define Operating System. Write any (06) functions of Operating System in detail.   2 + 6 = (8)

Q.No.9 Write different threats to Data Security. Provide any three solutions for these threats.   (8)

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02-07-2022

BwP-22

Note : Four possible choices A , B , C , D to each question are given. Which choice is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.No. 1	An Input Device which is used for playing Computer Games
(1)	(A) Light Pen (B) Mouse (C) Joystick (D) Scanner
(2)	Which of the following is the first phase of SDLC :
	(A) Coding (B) Design (C) Analysis (D) Preliminary Investigation
(3)	Which layer of OSI Model does Data Compression :
	(A) Network (B) Presentation (C) Data Link (D) Physical
(4)	Which of the following Network Topology uses Terminators :
	(A) Star (B) Mesh (C) Bus (D) Ring
(5)	The process of converting Digital Signals into Analog Signals is called :
	(A) Demodulation (B) Modulation (C) Conversion (D) Merging
(6)	How many Characters ASCII 8 - bit code can represent :
	(A) 128 (B) 256 (C) 512 (D) 300
(7)	The process of producing multiple copies of a document is called :
	(A) Reprographics (B) Word Processing (C) Spreadsheet (D) Image Processing
(8)	Data and Programs not currently being used by computer are stored in :
	(A) Secondary Storage (B) Cache (C) Primary Memory (D) Register
(9)	Which of the following is not considered to be a peripheral device :
	(A) Disk Drive (B) Keyboard (C) Monitor (D) CPU
(10)	The Program that contains instructions to operate a device is called :
	(A) Device Driver (B) Device Linker (C) Device Operator (D) Debugger
(11)	A Virus which activates on certain Date and Time is called :
	(A) Logic Bomb (B) Trojan Horse (C) Redlof (D) Boot Sector
(12)	The ability of operating system to run multiple programs at the same time is called :
	(A) Multi Processing (B) Multi Tasking (C) Multi Paging (D) Segmentation
(13)	Which function key is used for checking Spelling and Grammer in MS - Word :
	(A) F1 (B) F2 (C) F7 (D) F10
(14)	Which of the following is a Spreadsheet Software :
	(A) MS - Word (B) MS - Excell (C) Power Point (D) MS - Access
(15)	Which Software is used to search and view Web Pages :
	(A) HTML (B) Web Server (C) Web Browser (D) Windows Explorer

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Note : Four possible choices A , B , C , D to each question are given. Which choice is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.No. 1 Which of the following is the largest unit of Data :

(1)   (A) Bit   (B) Byte   (C) Terabyte   (D) Kilobyte

(2) The Layer that is in between of Session and Application Layer is :

(A) Network Layer   (B) DLL   (C) Transport Layer   (D) Presentation Layer

(3) What type of Network is the Internet :   (A) LAN   (B) WAN   (C) MAN   (D) PAN

(4) What comes after the Design Phase in SDLC :

(A) Coding   (B) Testing   (C) Analysis   (D) Implementation

(5) Digital Signal represents a sequence of ---------- values :

(A) Discrete   (B) Continuous   (C) Unique   (D) Bytes

(6) An important characteristic of RAM is that it is :

(A) Read Only   (B) Write Only   (C) Volatile   (D) Non Volatile

(7) A ---------- is an automatic programmable machine :

(A) CAM   (B) ROBOT   (C) CAD   (D) CBT

(8) Which of the following is the Insulation on a Fiber Optic Cable :

(A) Sheathing   (B) Braiding   (C) Housing   (D) Cladding

(9) CU stands for :   (A) Cache Unit   (B) Control Unit   (C) Calculating Unit   (D) Class Unit

(10) The letters " NT " in Windows NT stands for :

(A) Not Tested   (B) New Technology   (C) Network Terminal   (D) Network Technology

(11) Every Webpage has unique address on the World Wide Web known as :

(A) URL   (B) HTML   (C) HTTP   (D) Hyperlink

(12) A Virus that deletes all the Microsoft Office Files from the disk is called :

(A) Chernobal Virus   (B) Worm   (C) Vaccine   (D) Bomb

(13) The tool used to find a similar or alternative word in a document is called :

(A) Finder   (B) Dictionary   (C) Style   (D) Thesaurus

(14) The intersection of a row and a column is called :

(A) Intersection   (B) Field   (C) Cell   (D) Address

(15) Which of the following is a type of User Interface :

(A) Design Interface   (B) System Interface   (C) Command Line   (D) Chart Interface

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Note : It is compulsory to answer any (6 - 6) parts each from Q.No.2 , Q.No.3 and Q.No.4 while attempt any (03) Questions from Part II. Write same Question Number and its Part Number as given in the Question Paper.

BwP-21

| Make Diagram where necessary. | **Part - I** | 18x2 = 36 |

Q.No.2 (i) Define System Software with example.

(ii) How Interviews are different from Questionnaires ?

(iii) What is a word in Computer Memory ?

(iv) Why maintenance of a Computer System is necessary ?

(v) What is the use of Terminal Emulation Software ?

(vi) How Token Passing Scheme works in a Network ?

(vii) What is the function of Session Layer in OSI Model ?

(viii) Represent Analog Signal with the help of a Diagram .

(ix) What is a Digital Signal ?

Q.No.3 (i) Why is the use of Computer Technology so important ?

(ii) Define Desktop Publishing.

(iii) Write a note on E - Commerce.

(iv) Define Memory Address.

(v) What is ROM ?

(vi) What is DMA ?

(vii) Differentiate between Linker and Loader.

(viii) Write name of four different types of Viruses.

(ix) What is Antivirus Software ?

Q.No.4 (i) What is the purpose of Control Panel ?

(ii) Enlist any four features of Windows Operating System.

(iii) What is Clipboard ?

(iv) Distinguish between Cut and Copy Commands.

(v) Describe the basic concept of Margins in MS - Word.

(vi) Define Word Processor.

(vii) Differentiate between Work Book and Work Sheet.

(viii) How would you create formula in Excel Sheet ?

(ix) What do you know about Relative Referencing ?

Part - II

Q.No.5 Describe the following Network Components :   (8)

(i) NIC (ii) Router (iii) Gateway (iv) Bridge

Q.No.6 Define Data Communication with Diagram. Explain its components.   (8)

Q.No.7 Define Language Translator. Explain its three types.   (8)

Q.No.8 Explain four causes of Computer Virus.   (8)

Q.No.9 What is Network Addressing Scheme ? Explain its two types.   (8)

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02-08-2021